



#### SKILLSHEET 9.4

## Presenting data as a dot plot

A dot plot is a graph that consists of dots, placed above an evenly scaled number line, so that each dot represents a single data value.

In the data set some scores may be repeated. In such instances dots are placed in columns (directly above one another). In every such column all dots are evenly spaced.

#### WORKED EXAMPLE

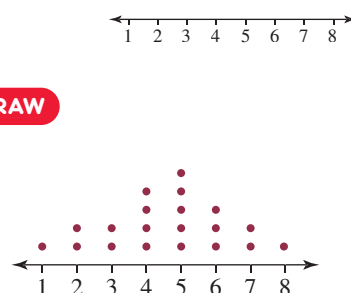
Use the number line at right to present the following data as a dot plot.

2, 1, 4, 5, 8, 3, 5, 6, 2, 4, 6, 4, 5, 7, 7, 6, 4, 5, 3, 5

#### THINK

The first value in the data set is 2. Put a dot above 2 on the number line. The next value in the data set is 1, so put a dot above 1 on the number line. Continue to move along the data set, placing a dot for each value in the set above the corresponding number on the line. Many values in the given set occur more than once. For such values place dots above each other, ensuring they are evenly spaced.

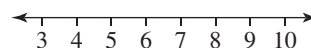
#### WRITE/DRAW



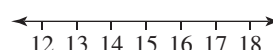
### Try these

For each of the following sets of data use the number line provided to present the data as a dot plot.

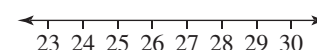
1 3, 4, 7, 5, 9, 10, 4, 7, 6, 5, 8, 4, 5, 8, 6, 9, 4, 6, 5, 7



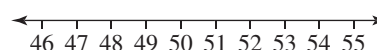
2 13, 15, 17, 12, 16, 15, 18, 14, 15, 18, 16, 17, 13, 16, 18, 15, 15, 16, 17, 16



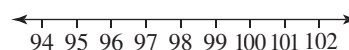
3 25, 26, 29, 30, 28, 25, 26, 28, 27, 24, 26, 23, 26, 29, 25, 28, 27, 24, 28, 26



4 48, 50, 46, 52, 55, 49, 48, 51, 52, 49, 53, 50, 51, 52, 49, 53, 50, 51, 49, 52



5 98, 101, 97, 96, 99, 100, 102, 97, 98, 96, 94, 97, 99, 100, 98, 97, 99, 98, 100, 97





# SKILLSHEET — ANSWERS

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